DVI-RGB 100

DVI to Analog RGB Video Converter

FEATURES

- Input: Female DVI-D for DVI, female DVI-D loop-through
- Output: Female BNCs for RGBHV, RGBS, or RGsB
- 16 user-selectable output resolutions available up to 1600x1200 and HDTV to 720p
- Toggle switch determines if resolution will be set by local monitor or DVI-RGB 100
- Compatible with single link DVI-D signals
- Outputs RGBHV, RGBS, or RGsB
- Two-color LED: Amber indicates power, green indicates power and signal presence
- Includes 6' (1.8 m) DVI-D male to male cable
- Optional under-desk and through-desk mounting kits available
- Rack-mountable 1U, half rack width metal enclosure
- Internal international power supply

DESCRIPTION

The Extron **DVI-RGB 100** is a DVI - Digital Visual Interface to Analog RGB Video Converter. The DVI-RGB 100 bridges the gap between DVI and analog video to enable switching and distribution of DVI signals. It simplifies the integration of DVI sources into analog systems and enables the use of analog RGB displays, switchers, scan converters, or other devices in presentation environments.

The DVI-RGB 100 accepts DVI digital video and outputs a choice of analog RGB video signals. Using the DVI-RGB 100's rotary selector and DDC Display Data Channel communications, the user can specify the DVI source to output a specific resolution. A total of 16 common VGA-UXGA and HDTV rates are available.

Note: Not all DVI graphics cards are capable of generating all of the resolutions selectable on the DVI-RGB 100. System performance varies depending on the DVI graphics card and DVI cable.

SPECIFICATIONS

VIDEO

Bit rate (pixel bandwidth)	5 gigabits/second total (1.6 gigabits/color)
Pixel data bit depth	24 bit
Control data bit depth	6 bit
Maximum resolutions	1280 x 1024 at 85 Hz, 1600 x 1200 at 60 Hz

VIDEO INPUT

Number / Signal type	1 DVI-D digital video
Connectors	1 DVI-D female (DVI input) 1 DVI-D female (DVI loop through)
Nominal level	0.7 Vp-p
Minimum / Maximum levels	0.5 V to 1.0 Vp-p
Impedance	50 ohms
DC offset (max. allowable)	±0.5 V

VIDEO OUTPUT

Number / Signal type	1 RGBHV, RGBS, RGsB
Connectors	6 BNC female
Nominal level	0.7 Vp-p
Minimum / Maximum levels	0.7 V to 1.4 Vp-p (continuously adjustable)
Impedance	75 ohms
Return loss	-35 dB @ 5 MHz
DC offset	±5 mV maximum with input at 0 offset

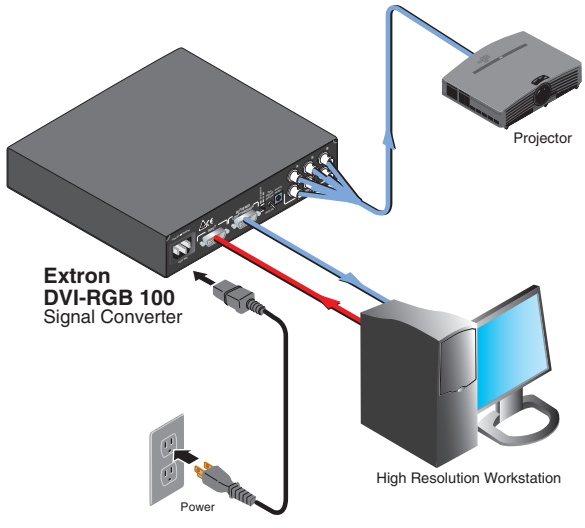
SYNC

Output type	RGBHV, RGBS, RGsB
Output level	TTL (5 Vp-p, unterminated)
Output impedance	75 ohms
Polarity	Positive or negative (follows input)

GENERAL

Power	100 VAC to 240 VAC, 50/60 Hz, 25 watts, internal, autoswitchable
Temperature / Humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Rack mount	Yes, with optional rack shelf, part #60-190-01 or 60-604-01
Enclosure type	Metal
Enclosure dimensions	1.7" H x 8.7" W x 6.0" D (1U high, half rack wide) 4.3 cm H x 22.1 cm W x 15.2 cm D (Depth excludes connectors and knobs.)
Product weight	1.6 lbs (0.7 kg)
Shipping weight	4 lbs (2 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE, FCC Class A, VCCI, AZ/NZS, ICES
MTBF	30,000 hours
Warranty	3 years parts and labor

NOTE: All nominal levels are at ±10%. Specifications are subject to change without notice.



MODEL

MODEL	VERSION DESCRIPTION	PART #
DVI-RGB 100	DVI to RGB Video	60-438-01

OPTIONAL ACCESSORIES	MODEL DESCRIPTION	PAGE	PART #
RSU 129	1U 9.5" Deep Universal Rack Shelf Kit	page 759	60-190-01
RSB 129	1U 9.5" Deep Basic Rack Shelf	page 760	60-604-01
MBU 125	1U, 1/2 & 1/4 Rack Width, Under-Desk Mount Kit for Two-Piece Enclosure	page 752	70-077-01
MBD 129	1U, 1/2 & 1/4 Rack Width Through-Desk Mount Kit for Two-Piece Enclosure	page 756	70-077-02

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